

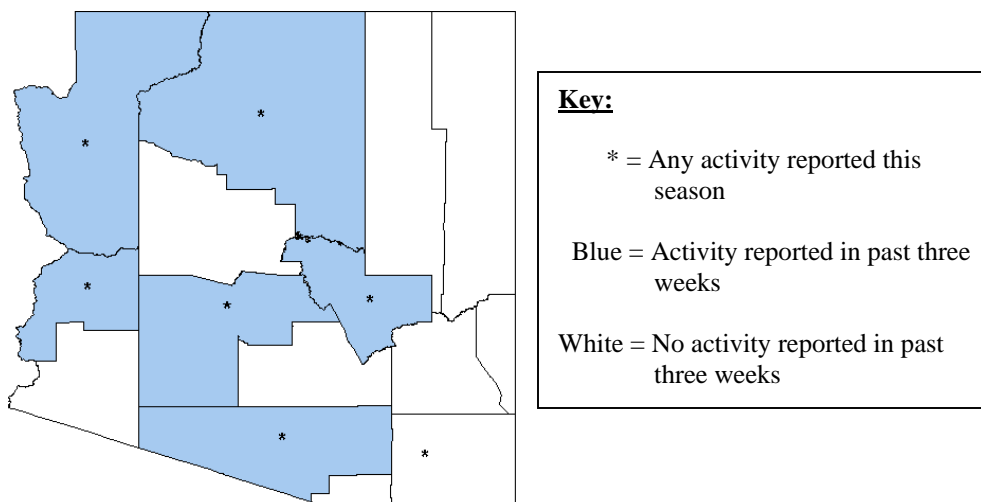
Weekly Influenza Summary:

"Local" influenza activity was reported in Arizona for the week ending on 12/30/2006 (week 52). A total of 61 cases have been reported from across seven counties, with Gila, La Paz, and Mohave counties reporting their first cases during week 52. No pediatric influenza-associated deaths have been reported in Arizona for the current season. The influenza-like illness rate is above the state baseline for week 51, though this value represents reports from less than 50% of Arizona's surveillance sites.

Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

Influenza Activity by County:



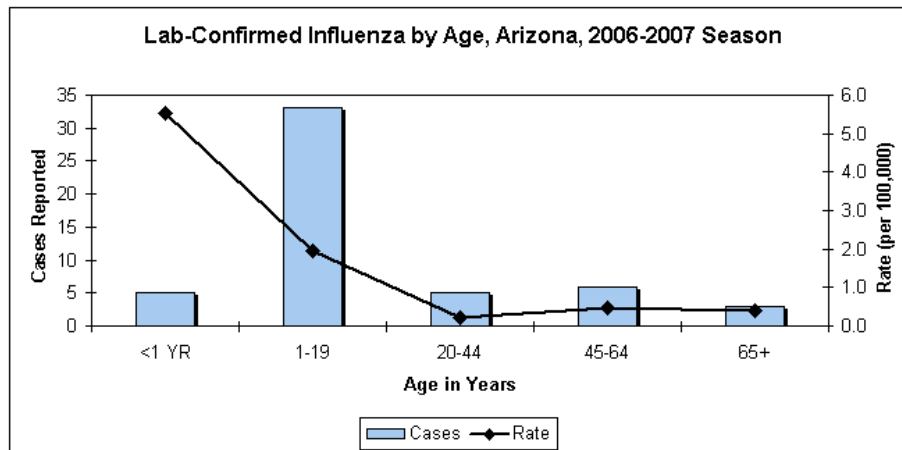
Influenza Cases Reported - 2006-2007 Season [61 cases]

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	10
Cochise	1	La Paz	1	Pinal	0
Coconino	5	Maricopa	42	Santa Cruz	0
Gila	1	Mohave	1	Yavapai	0
Graham	0	Navajo	0	Yuma	0

Influenza Cases Reported - Week 52 [34 cases]

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	4
Cochise	0	La Paz	1	Pinal	0
Coconino	1	Maricopa	26	Santa Cruz	0
Gila	1	Mohave	1	Yavapai	0
Graham	0	Navajo	0	Yuma	0

Influenza Activity by Age:



Lab Surveillance:

Laboratories report positive influenza tests to ADHS. Of the lab-confirmed influenza reported this season, 39 are influenza A (27 confirmed by culture or PCR), 20 are influenza B (15 confirmed by culture or PCR), and two are unknown.

Subtyping – Culture or PCR Results:

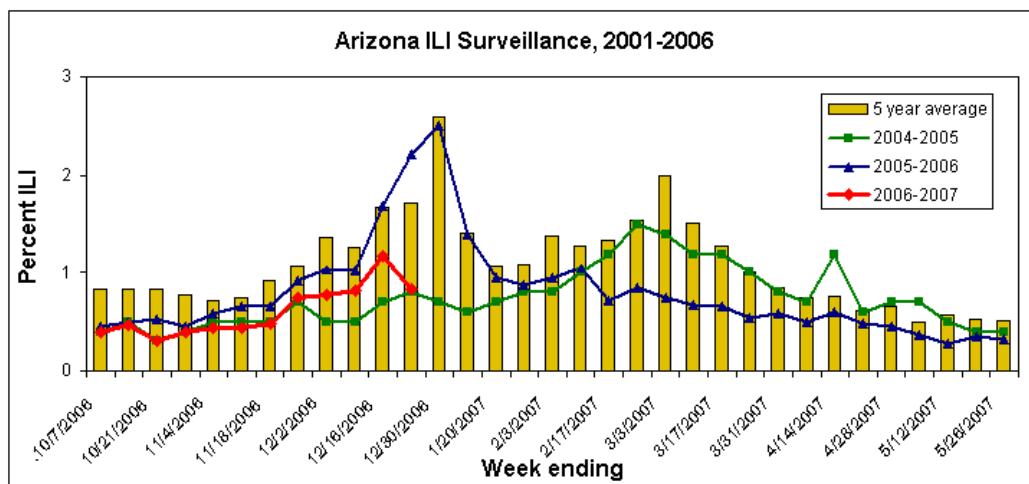
Viral isolation, or culture, is currently the “gold standard” for diagnosis of influenza virus infections. The influenza subtype can be determined by a test called hemagglutination inhibition (HI) using viral isolates. Polymerase chain reaction (PCR) can also be used to identify influenza B and the hemagglutinin (H) component of influenza A.

Of the 27 culture- or PCR-confirmed influenza A cases, one is H3N2, 13 are H1 by PCR, and 13 have not been subtyped. Of the 15 culture- or PCR-confirmed influenza B cases, one is B/Shanghai, two are B/Malaysia, and 12 have not been subtyped.

Influenza-Like Illness (ILI) Surveillance from Sentinel Providers

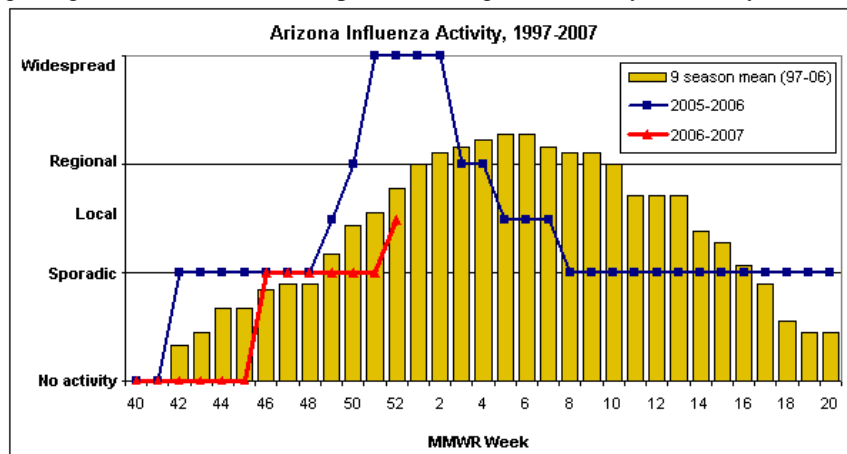
The proportion of patient visits to sentinel providers for ILI in the state was 0.8% for the week ending 12/23/2006 (week 51). This value is higher than the Arizona ILI baseline (0.5%), but represents reports from less than 50% of sentinel providers for the week.

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.



Historical Arizona Influenza Activity Levels

The graph below shows the influenza activity levels reported to the CDC this season in comparison to the last season and eight previous seasons. For week 52, Arizona reported “local” activity. Definitions of these reporting categories can be found at <http://www.cdc.gov/flu/weekly/fluactivity.htm>.



RSV Activity in Arizona:

Increasing respiratory syncytial virus (RSV) activity has been reported in Arizona. As of 12/30/2006, 72 lab-confirmed cases have been reported. Of these, 23 were reported during week 52.

